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Approved for use through 09/30/00. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

Attorney Docket No. 06192.0230.NPUS00

First Named Inventor or Application Identifier Jang-Kun SONG

**Title** Thin Film Transistor Substrate For A Liquid Crystal Display And A Method for Repairing The Substrate

**Express Mail Label No.**

## **APPLICATION ELEMENTS**

*See MPEP chapter 600 concerning utility patent application contents*

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- |   |   |
|---|---|
| <p>1. <input checked="" type="checkbox"/> *Fee Transmittal Form (Form PTO-1082)<br/>(Submit an original and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Specification<br/>(preferred arrangement set forth below)</p> <ul style="list-style-type: none"> <li>- Descriptive title of the Invention</li> <li>- Cross References to Related Applications</li> <li>- Statement Regarding Fed sponsored R&amp;D</li> <li>- Reference to Microfiche Appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claims</li> <li>- Abstract of the Disclosure</li> </ul> <p>3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets 7 ]</p> <p>4. <input type="checkbox"/> Oath or Declaration [Total Pages 3 ]</p> <p>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</p> <p>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br/><i>(for continuation/divisional with Box 17 completed)</i><br/><i>I/Note Box 5 below</i></p> <p>i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u><br/>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>5. <input type="checkbox"/> Incorporation By Reference (<i>useable if Box 4b is checked</i>)<br/>The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</p> | <p>6. <input type="checkbox"/> Microfiche Computer Program (<i>Appendix</i>)</p> <p>7. Nucleotide and/or Amino Acid Sequence Submission<br/><i>(if applicable, all necessary)</i></p> <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Copy</li> <li>b. <input type="checkbox"/> Paper Copy (identical to computer copy)</li> <li>c. <input type="checkbox"/> Statement verifying identity of above copies</li> </ul> <p><b>ACCOMPANYING APPLICATION PARTS</b></p> <p>8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</p> <p>9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney<br/><i>(when there is an assignee)</i></p> <p>10. <input type="checkbox"/> English Translation Document (<i>if applicable</i>)</p> <p>11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>12. <input type="checkbox"/> Preliminary Amendment</p> <p>13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Two)<br/><i>(should be specifically itemized)</i></p> <p>14. <input type="checkbox"/> *Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired</p> <p>15. <input checked="" type="checkbox"/> Certified Copy of Priority Document(s)<br/><i>(if foreign priority is claimed)</i></p> <p>16. <input type="checkbox"/> Other:</p> |
|---|---|

**\*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).**

**17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:**

Continuation     Divisional     Continuation-in-part (CIP)

of prior application No: /

Prior Application Information: Examiner:

**Group/Art Unit:**

**18. CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label 22930

or  Correspondence address below

*(Insert Customer No. or Attach bar code label here)*

**NAME** Michael J. Bell  
HOWREY SIMON ARNOLD & WHITE LLP

**NAME** HOWARD SIMON ARNOld & WHITE, LLP  
**Box No. 34**

**CITY** Washington      **STATE** DC      **ZIP CODE** 20004-2402

COUNTRY US / / / TELEPHONE 202-783-0800 FAX 202-383-7195

Name (Print/Type) Michael J. Bell Registration No. (Attorney/Agent) 39,604  
Signature \_\_\_\_\_ Date May 22, 2001

**HOWREY SIMON ARNOLD & WHITE, LLP**  
**Box No. 34**  
**1299 Pennsylvania Avenue, NW**  
**Washington, DC 20004-2402**  
**(202) 783-0800**

Attorney Docket No. **06192.0230.NPUS00**

ASSISTANT COMMISSIONER FOR PATENTS  
 Washington, DC 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventor: **Jang-Kun SONG**  
 For: **THIN FILM TRANSISTOR SUBSTRATE FOR A LIQUID CRYSTAL DISPLAY**  
**AND A METHOD FOR REPAIRING THE SUBSTRATE**

Enclosed is a new application comprising:

- A specification containing: 17 pages of description prior to the claims; 7 pages of claims (**25** claims); a one (1) page abstract; 7 sheets of drawings (Figures **1, 2, 3, 4, 5A, 5B, 5C, 5D, 6, 7A, 7B, 7C and 7D**)  
 PTO SB/05

The filing fee has been calculated as shown below:

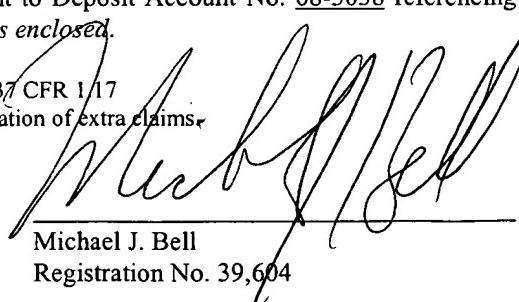
(Col. 1)	(Col. 2)	
FOR	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	25-20 =	* 5
INDEP. CLAIMS	3-3 =	* 0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED		

\*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

SMALL ENTITY		OTHER THAN A SMALL ENTITY	
RATE	FEE	RATE	FEE
	\$ 345.00		\$ 710.00
x 9 =		x 18 =	90.00
x 39 =		x 80 =	0
+ 130 =		+ 270 =	
TOTAL		TOTAL	\$800.00

- A check in the amount of \$800.00 to cover the filing fee is enclosed.
- The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 08-3038 referencing docket number 06192.0230.NPUS00. *A copy of this sheet is enclosed.*

- Any patent application processing fees under 37 CFR 1.17  
 Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Date May 23, 2001


Michael J. Bell  
 Registration No. 39,604



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A LIMITED LIABILITY PARTNERSHIP

May 23, 2001



**Box New Applications**

Assistant Commissioner for Patents  
Washington, DC 20231



Re: New Utility Non-Provisional U.S. Patent Application  
Application No. **TO BE ACCORDED** Filed **HEREWITH**  
Title: **THIN FILM TRANSISTOR SUBSTRATE FOR A  
LIQUID CRYSTAL DISPLAY AND A METHOD FOR  
REPAIRING THE SUBSTRATE**  
Inventors: **Jang-Kun SONG**  
Our Ref: **06192.0230.NPUS00**

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Form PTO SB/05;
2. Form PTO 1082;
3. U.S. Utility Patent Application entitled:

**THIN FILM TRANSISTOR SUBSTRATE FOR A LIQUID  
CRYSTAL DISPLAY AND A METHOD FOR REPAIRING  
THE SUBSTRATE**

and naming as inventors: **Jang-Kun SONG**

the application consisting of:

- a. A specification containing:

- (i) **17** pages of description prior to the claims;
- (ii) **5** pages of claims (**27** claims);
- (iii) a **one** (1) page abstract;

- b. **7** sheets of drawings: (**Figures 1, 2, 3, 4, 5A, 5B, 5C, 5D, 6, 7A, 7B, 7C and 7D**);

4. Executed Combined Declaration-Power Attorney;
5. Executed Assignment and PTO 1595 Assignment Recordation Sheet



Box New Applications  
Attorney Docket No. 06192.0181.NPUS00  
May 23, 2001  
Page 2

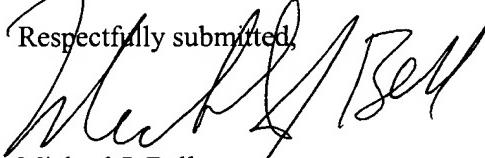
5. Claim for Priority and certified copy of Korean Patent No. 2000-27832 filed May 23, 2000;
6. Check No. 353270 in the amount of \$800.00 and Check No. 353271 in the amount of \$40.00 to cover the following Fees

\$800.00	Basic Application Filing and Extra claims Fees
\$ 40.00	Assignment Recordation Fee

7. Two (2) return postcards

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038 referencing docket number 06192.0230.NPUS00.  
*A copy of this letter is enclosed.*

Respectfully submitted,  
  
Michael J. Bell  
Registration No. 39,604

Enclosures